<u>Amendment to the Claims</u>:

This listing of claims will replace all prior versions, and listings, of claims in the application:

<u>Listing of Claims</u>:

1-3.   (canceled).

4.   (new): A peer-to-peer communication system comprising:

session relay apparatuses which relay session control messages used for peer-to-peer communication between communication terminals;

edge nodes, in a network coupling the communication terminals, accommodating the communication terminals to the network; and

a core node which executes a packet relay process in the network,

wherein a first session relay apparatus receives a session control message from a first communication terminal and a second session relay apparatus receives a session control message from a second communication terminal; and

wherein when the first session relay apparatus receives a session establishment request from the first communication terminal as a communication source:

the first session relay apparatus transfers the session establishment request to the second session relay apparatus;

the second session relay apparatus transfers the session establishment request to the second communication terminal;

if the second communication terminal is available to communicate,

the second communication terminal transfers a message representing that the communication is available, to the second session relay apparatus;

after the second session relay apparatus transfers the message representing that the communication is available, to the first session relay apparatus,

the first session relay apparatus generates a packet relay process policy for a peer-to-peer communication packet, distributes the policy to a first edge node accommodating the first communication terminal and causes the first edge node to register the policy and the second session relay apparatus generates a packet relay process policy to the peer-to-peer communication packet, distributes the policy to a second edge node accommodating the second communication terminal and causes the second edge node to register the policy to finish a policy setting process to the edge nodes; and

the peer-to-peer communication packet from the first communication terminal is set for priority control information based on the policy in the first edge node and relayed in the core node in accordance with the priority control information set by the first edge node and transmitted to the second communication terminal via the second edge node.

5.   (new): The peer-to-peer communication terminal according to claim 4, wherein the priority control information set by the first edge node for the communication packet is a Diffserv Code Point (DSCP) value.

6.   (new): A peer-to-peer communication system comprising:

session relay apparatuses which relay session control messages used for peer-to-peer communication between communication terminals;

edge nodes, in a network coupling the communication terminals, accommodating the communication terminals to the network; and

a core node which executes a packet relay process in the network,

wherein a first session relay apparatus receives a session control message from a first communication terminal and a second session relay apparatus receives a session control message from a second communication terminal; and

wherein when the first session relay apparatus receives a session establishment request from the first communication terminal as a communication source:

the first session relay apparatus transfers the session establishment request to the second session reply apparatus;

the second session relay apparatus transfers the session establishment request to the second communication terminal;

if the second communication terminal is available to communicate,

the second communication terminal transfers a message representing that the communication is available, to the second session relay apparatus;

after the second session relay apparatus transfers the message representing that the communication is available, to the first session relay apparatus,

the first session relay apparatus generates a packet relay processing policy for a peer-to-peer communication packet, distributes the policy to a first edge node accommodating the first communication terminal and causes the first edge node to register the policy and the second session relay apparatus generates a packet relay process policy to the peer-to-peer communication packet, distributes the policy to a second edge node accommodating the second communication terminal and causes

4

the second edge node to register the policy to finish a policy setting process to the

edge nodes; and

the peer-to-peer communication packet from the first communication terminal

is set for a next relay node based on the policy in the first edge node to select a

network to be relayed.

7. (new): The peer-to-peer communication system according to claim 4,

wherein if the second session relay apparatus receives a session end request from

the second communication terminal:

the second session relay apparatus transfers the session end request to the

first session relay apparatus;

the first session relay apparatus transfers the session end request to the first

communication terminal; and

after the first communication terminal transfers an OK message to the first

session relay apparatus in response to the session end request,

the first session relay apparatus causes the first edge node accommodating

the first communication terminal to delete the policy distributed to the first edge node

and the second session relay apparatus causes the second edge node

accommodating the second communication terminal to delete the policy distributed

to the second edge node.

8. (new): The peer-to-peer communication system according to claims 5,

wherein if the second session relay apparatus receives a session end request from

the second communication terminal:

the second session relay apparatus transfers the session end request to the first session relay apparatus;

the first session relay apparatus transfers the session end request to the first communication terminal; and

after the first communication terminal transfers an OK message to the first session relay apparatus in response to the session end request,

the first session relay apparatus causes the first edge node accommodating the first communication terminal to delete the policy distributed to the first edge node and the second session relay apparatus causes the second edge node accommodating the second communication terminal to delete the policy distributed to the second edge node.

9.   (new): The peer-to-peer communication system according to claim 6, wherein if the second session relay apparatus receives a session end request from the second communication terminal:

the second session relay apparatus transfers the session end request to the first session relay apparatus;

the first session relay apparatus transfers the session end request to the first communication terminal; and

after the first communication terminal transfers an OK message to the first session relay apparatus in response to the session end request,

the first session relay apparatus causes the first edge node accommodating the first communication terminal to delete the policy distributed to the first edge node and the second session relay apparatus causes the second edge node

accommodating the second communication terminal to delete the policy distributed

to the second edge node.